

Amendment to the Specification:

Please amend the paragraph beginning at line 19 on page 8 of the specification as follows:

-- For some applications of the invention, it may be sufficient to measure the mass flow as opposed to quantifying the size of the leak. In this case, the pressure P1 upstream of the valve seat is not required and the pressure transducer ~~[[10]]~~ 14 may be omitted and the circuitry programmed accordingly. In other respects, the control valve, in particular the orifice and pressure measuring means are as described previously. Alternatively, the circuitry may be programmed to either accept or reject (ignore) the output from the pressure transducer ~~[[10]]~~ 14 according to user selection. In this way, either the size of the leak can be quantified or the mass flow measured as desired. --